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PATENT AND
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08/18/03 MON 10:11 FAX 314 621 5065 ATLLP 0001

ARMSTRONG TEASDALE LLP
One Metropolitan Square, Suite 1600
St. Louis, Missouri 63102-1590
Phone: (314) 621-5070
Fax: (314) 621-5065
www.armstrongteasdale.com

**CERTIFICATE OF FACSIMILE TRANSMISSION TO THE
UNITED STATES PATENT AND TRADEMARK OFFICE**

DATE: August 18, 2003

Examiner: DA, CHA: C. : **RE:** U.S. Patent Application
Art Unit: 2134 : **Serial No.:** 09/307,521
From: 703-746-7238 : **Applicant:** MIN XIE et al.
From: Thomas M. Fisher : **App. No.:** 15-CV-3271

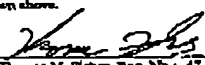
DOCUMENTS SUBMITTED WITH TRANSMISSION:
Amendment Transmittal (3 pgs.)
Amendment in Response to Office Action of June 17, 2003 (26 pgs.)
Fax Transmittal (1 pg.)

Total pages including cover page: 32
If all pages are not received, please contact: Linda Driscoll at Ext. 7239

RE: The above referenced U.S. Patent Application
TITLE: METHOD AND APPARATUS FOR FAST NATURAL LOG/OO CALCULATION
Filed: February 18, 2000

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that these papers are being facsimile transmitted to the U.S. Patent and Trademark Office.
Facsimile Number 703-746-7238 on the date shown above.


Thomas M. Fisher, Reg. No. 47,564

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Fax: (314) 621-5065
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Date: October 23, 2003

Please Deliver To:

Name: Chat C. Do

Art Unit: 2124

Fax: 1-703-746-8679

Serial No.: 09/507,521

From: Thomas M. Fisher

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OCT 23 2003

Total pages including cover page: 33

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Examiner Do,

Please note the resubmission of the attached Amendment per your request.

Regards,

Thomas M. Fisher

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**CERTIFICATE OF FACSIMILE TRANSMISSION TO THE
UNITED STATES PATENT AND TRADEMARK OFFICE****DATE: August 18, 2003**

Examiner: Do, Chat C. : **RE: U.S. Patent Application**
Art Unit: 2124 : **Serial No.:** 09/507,521
Fax: 703-746-7238 : **Applicant:** Min Xie et al.
From: Thomas M. Fisher : **Atty. Dkt. No.:** 15-CT-5271

DOCUMENTS SUBMITTED WITH TRANSMISSION:

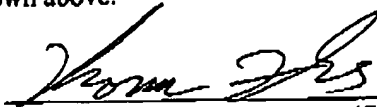
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Fax Transmittal (1 pg.)

Total pages including cover page: 32**If all pages are not received, please contact: Linda Driscoll at Ext. 7229**

RE: The above referenced U.S. Patent Application
Title: METHOD AND APPARATUS FOR FAST NATURAL LOG(X) CALCULATION
Filed: February 18, 2000

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that these papers are being facsimile transmitted to the U.S. Patent and Trademark Office,
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Thomas M. Fisher, Reg. No.: 47,564

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VIA FACSIMILE (703) 746-7238

PATENT
15-CT-5271

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Min Xie et al.

Art Unit: 2124

Serial No.: 09/507,521

Examiner: Do, Chat C.

Filed: February 18, 2000

For: METHOD AND APPARATUS
FOR FAST NATURAL LOG(X)
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OCT 23 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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TRANSMITTAL

1. Transmitted herewith is:

Amendment Transmittal (3 pgs.)

Amendment in Response to Office Action dated June 17, 2003 (28 pgs.)

Fax Transmittal (1 pg.)

STATUS

2. Applicant

Claims small entity status.

☒ X

is other than a small entity.

CERTIFICATE OF MAILING/TRANSMISSION

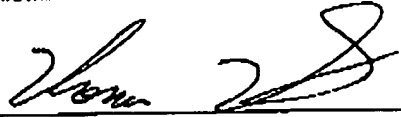
I hereby certify that this correspondence is, on the date shown below, being:

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☐ deposited with the United States Postal Service with
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for Patents, P.O. Box 1450, Alexandria, VA 22313-
1450.

Date: August 18, 2003

FACSIMILE

☒ Transmitted by facsimile to the Patent and
Trademark Office
Thomas M. Fisher
Reg. No. 47,564

EXTENSION OF TERM

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

- (a) _____ Applicant petitions for an extension of time under 37 C.F.R. 1.136
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

Extension for response within:	Other than small entity Fee	Small entity Fee (if applicable)
_____ first month	\$ 110.00	\$ 55.00
_____ Second month	\$ 410.00	\$ 205.00
_____ Third month	\$ 930.00	\$ 465.00
_____ Fourth month	\$1,450.00	\$ 725.00
_____ fifth month	\$1,970.00	\$ 985.00

Fee: \$ _____

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

_____ An extension of _____ months has already been secured. The fee paid therefor \$ _____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ _____

OR

- (b) X Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT	(Col. 2) HIGHEST NO. PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA	SMALL ENTITY ADDITIONAL RATE FEE	OR	OTHER THAN SMALL ENTITY ADDITIONAL RATE FEE
TOTAL	MINUS		= 0	x \$9 = \$		x \$18 = \$
INDEP.	MINUS		= 0	x \$42 = \$		x \$84 = \$
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+ \$130 = \$		+ \$280 = \$
				TOTAL ADDITIONAL FEE \$	OR	TOTAL ADDITIONAL FEE \$

- (a) X No additional fee for claims is required.

OR

- (b) _____ Total additional fee for claims required \$

FEE PAYMENT

5. _____ Attached is a check in the sum of \$ _____
 _____ Charge Deposit Account No. 01-2384 the sum of \$
 _____ A duplicate of this transmittal is attached.

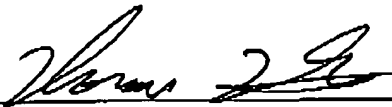
FEE DEFICIENCY

6. X If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

AND/OR

- X If any additional fee for claims is required, charge Deposit Account No. 01-2384.

7. _____ Other:


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 St. Louis, MO 63102-2740
 (314) 621-5070

VIA FACSIMILE (703) 746-7238

15-CT-5271
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Min Xie et al.

Serial No.: 09/507,521

Filed: February 18, 2000

For: METHOD AND APPARATUS
FOR FAST NATURAL LOG(X)
CALCULATION

Art Unit: 2124

Examiner: Do, Chat C.

AMENDMENT

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated June 17, 2003, and made final, in accordance with 37 C.F.R. §1.116, Applicants respectfully request consideration of the following amendment.